

CLAIMS

What is claimed is:

- 5 1. A method of connecting and locking a stem to a valve plug, comprising the steps of:
disposing the stem in a passage formed in the valve plug; and
deforming an end portion of the stem to permanently non-rotatably lock the stem
within the passage of the valve plug.
- 10 2. The method according to claim 1, wherein the passage has an internal thread suitable
for threadingly receiving the stem.
3. The method according to claim 1, wherein the step of deforming comprises pressing a
coining device into the passage to engage with an end portion of the stem to configure
15 the stem for permanent non-rotational mounting within the valve plug.
4. The method according to claim 3, wherein a cavity is disposed in the end portion of
the stem for guiding the coining device.
- 20 5. The method according to claim 1, wherein the coining device further comprises a
shank having a tip disposed at one end of the shank, wherein the tip has a taper.
6. The method according to claim 5, wherein the tip further comprises at least one land.
- 25 7. The method according to claim 6, wherein the at least one land is substantially
rectilinear in shape.
8. The method according to claim 6, wherein the at least one land is non-uniform in
shape.
- 30 9. The method according to claim 6, wherein the at least one land is at least partially
curved in shape.

10. The method according to claim 1, further comprising the step of deforming the end portion of the stem to form at least one radial feature extending from an axis of the stem.

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11. The method according to claim 10, further comprising the step of extending the at least one radial feature into a wall of the valve plug to substantially hinder rotation of the stem relative to the valve plug.

10 12. The method according to claim 10, further comprising the step of extending three radial features into a wall of the valve plug to substantially hinder rotation of the stem relative to the valve plug.

13. A valve, comprising:

15 a valve body;
a stem mounted within the valve body; and
a valve plug having a passage sized for receiving a portion of the stem;
wherein at least one radial feature protrudes from an end of the stem into a wall of the passage to substantially hinder rotation of the stem relative to the valve plug.

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14. The valve according to claim 13, wherein the radial feature non-rotatably mounts the stem within the component.

15. The valve according to claim 13, wherein three radial features protrude from the end of the stem into the wall of the passage to substantially hinder rotation of the stem relative to the component.

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